



NOTES

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Reed C. Rollins

Dudley Herbarium

Natural History Museum

Stanford University, California

2936

Ribes sanguineum Parish, var. *glutinosum* (Benth.) Wendl.
shrub. 3-5 ft. high, fls. rose, wooded slope,
Coast Range, about 10 miles northwest of Palo
alto, San Mateo Co., Feb. 22, 1941

2937

Cardamine californica (Nutt.) Greene
fls. pink, moist bank, Coast Range, about
8 miles northwest of Palo Alto, San Mateo Co.,
Feb. 22, 1941

2938

Osmaronia cerasiformis (T. & G.) Greene
shrub 3-6 ft. high, fls. white, wooded
hillside, about 10 miles northwest of
Palo Alto, San Mateo Co., Feb. 22, 1941

2939

Raphanus sativus L.

Roadside about 10 miles south of San
Francisco, San Mateo Co., Feb. 23, 1941

2940

Brassica campestris L.

as 2939

2941

Sisymbrium officinale L.

as 2939

2942 *Cynoglossum grande* Dougl.
Fls. blue, wooded slope, 8 miles northwest
of Palo Alto, San Mateo Co. Feb. 22, 1941

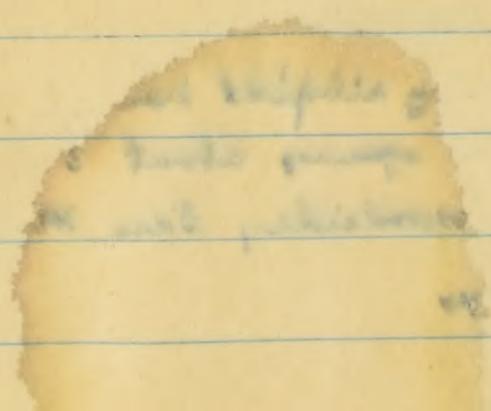
2943 *Cardamine californica* (Nutt.) Greene
fls. pink, forest floor, east slope of Kings
mt., about 6 miles west of Woodside,
Santa Cruz mts., San Mateo Co., March
16, 1941

2944 *Solanum umbelliferum* Esch.
Fls. purple, green-stemmed ~~sub~~ shrub, 2-
4 ft. high, thicket -- as 2943

2945 *Ribes sanguineum* Pursh
var. *glutinosum* (Benth.) Bond.
Fls. deep pink, dry ravine, west slope
of Santa Cruz mts., about 35 miles
south of San Francisco, San Mateo Co.,
March 16, 1941

2946 *Erysimum capitatum*
Rocky steep slope, 3 miles east of Half Moon
Bay, Santa Cruz mts., San Mateo Co.,
March 16, '41 - siliques four-angled -
slightly flattened.

2947 *Cardamine integrifolia*
Fls. pink, young siliques brownish, moist
swale in the open, about 3 miles
northwest of Woodside, San Mateo Co.,
March 16, 1941



2948

Sisyrinchium bellum S. Wats.

Fls. purplish, growing in clumps in open meadow, 1 mile north of Belmont, San Mateo Co., March 22, 1941

2949

Sidalcea malvaeflora (DC) Gray

Fls. pink. - as 2948

2950

Arabis blepharophylla H. & A.

Fls. pink, 6"-1 ft. high, open slopes, stems several, perennial, San Bruno Hills, 2 miles southeast of Daly City, San Mateo Co., March 22, 1941

2951

Erysimum franciscanum Rossbach ind.

Fls. lemon-yellow, siliques somewhat flattened, as 2950.

2952

Arabis glabra (L.) Bernh.

Fls. slightly lemon-yellowish, open slope, as 2950

2953

Collomia franciscana Biol.

Fls. bluish-purple - as 2950

2954

Cardamine californica var. *integifolia*
open swale, 4 miles northwest
of Woodside, San Mateo Co., fls.
light pink + white, - basal (rhizome)
leaves cuneate.

March 30, 1941

2955

Viola Douglairi Stev.

grassy hillside Mt. Hamilton Range
16 miles east of San Jose, Santa Clara Co.
fls. yellow + brown - March 30, 1941

2956

Orthocarpus erianthus Benth.

as 2955

2957

Dodecatheon Clevelandii Greene

as 2953

2958

Dodecatheon Hendersonii Gray

steep moist bank, Mt. Hamilton Range,
14 miles east of San Jose

March 30, 1941

2959

Cardamine californica var. typ.

moist bank and forest floor, Santa Cruz mts., 12 miles northwest of Palo Alto, San Mateo Co.,

Fls. pink.

March 29, 1941

2960

~~*Rorippa*~~ *Barbarea*

moist ravine, near road, 4 miles northwest of Palo Alto, San Mateo Co.,

March 29, 1941

2961

~~*Thlaspi* *caeruleum*~~

in open soil - 2 1/2 miles

west of Cherry Hill, flood

San Benito Co. April 10, 1941

with *Arabis* &
seeds
These numbers not
assigned - Virgin & Rollin
in this date

, dry hot serpentine slope, April
19, 1941, ca. 2000 ft.

2963

Thysanocarpus

grassy hillside, $\frac{1}{2}$ mile east of
Emmett School, near Tres Pinos
Creek, alt. 1000 ft., April 17, 1941

2964.

Cardamine californica

var.

as above - 2963 - rhizome cylindrical.
connection very fragile.

2965

Cardanthus lasiophyllus

shady dry bank, 2 miles northwest of
Los Altos, Santa Clara Co., Calif.

May 17, 1941. -

(Bigel) Hook.
~~Hook~~ B

2961 *Cakile edentula* var. *californica* (Heller) Fernald
sandy knolls along the beach,
Half Moon Bay, San Mateo Co., Calif.
July 19, 1941 - petals inconspicuous
forming clumps.

2962 *Cakile maritima* (L.) Scop.
Fls. purplish - forming mats - abundant
and often intermixed with the above.
as no. 2961.

2963 *Phacelia*
Fls. white, loose granitic soil, near
Idle Fork of Stanislaus, about
16 miles west of Wardenelles
Tuolumne Co., alt. ca. 6000 ft., July 26, 1941

2964 *Cryptantha simulans* Greene Borage
Fls. white. - as 2963

2965 *Arabis rectissima* Greene
open pine forest - granitic soil,
as 2963

2966 *Menzelia dispersa* Wats.
Fls. yellow - as 2963.

2967 *Rorippa*
near small creek, tributary of Middle Fork of
Stanislaus River, ca. 8 miles west of
Dardanelles, Tuolumne Co. -
ca. 6,500 ft. July 26, '41

2968 *Buxinus sellulus* Kell.
dry flat in open area between ponderosa
pines - near ~~Middle Fork of Stanislaus R.~~^{Deadman Creek} ca. 2
miles east of Dardanelle ca. 6,000 ft.
Tuolumne Co., July 26, '41

2969 *Perideridia parviflora* (Coryt. 1850) Mill. & Mark.
Umbelliferae
as no. 2968

2970 *Cardamine breweri* Watson
Small stream at the edge of the water -
Fls. white. - as 2968.

2971

arabis platysperma

Fls. often white at first - turn pink as it expands.
 petals barely exceeding sepal., perennial,
 granite soil - dry open slope in open stand
 } pine.. near Deadman Creek ~~Standish~~ R.

west of Sonora Pass - ca. 8 mi. east of
 Dardanelles, ca. 7,500 ft. -

July 26, 4.

2972

arabis Holboellii var.

Siliques rather sharply reflexed - granite rocks.
 as 2971

2973

Descurainia californica

as 2972

2974

Hakelia Tessiae (McGeyne) Brand

clumps. fls. blue - as 2971

2975

Primula emarginata (Dougl.) W. A. W.

shrub 4 - 8 ft. silvery older bark.

steep hillside - as 2971

2976

Scrophularia californica Cham.

in the rocks as 2971

2977

Phlox douglasii Hook.

Sonora Pass, Sierra Nevada forming small
mats, fls. light pink, Mono Co. -
alt. 9600 ft. July 26, '41

2978

umbellifer

Fls. creamy white, dry slope in loose soil.

as 2977

2979

Pteryxia terebinthina (Hook.) C. & R. umbellifer
var. *californica* (C. & R.) Mathias

Fls. yellow. - as 2978.

2980

Arabis platysperma

petals pink - dry slope in loose soil. -

as 2977

2981

Calochortus leichtlinii Hook.

petal white - brown streaks on back, purple-brown
blotch on inside - stems 2-4 inches
high - dry slope with purple -

2 miles east of Sonora Pass, ca 8,000 ft.
Mono Co., as July 26 '41

2982

Penstemon Speciosus Dougl.

as 2981 fls. - purple

2983 *arabis sparsiflora* var. *subvollosa*
stems spreading - arcuate - growing
with *pusilla* & *artemisia*
as no 2981

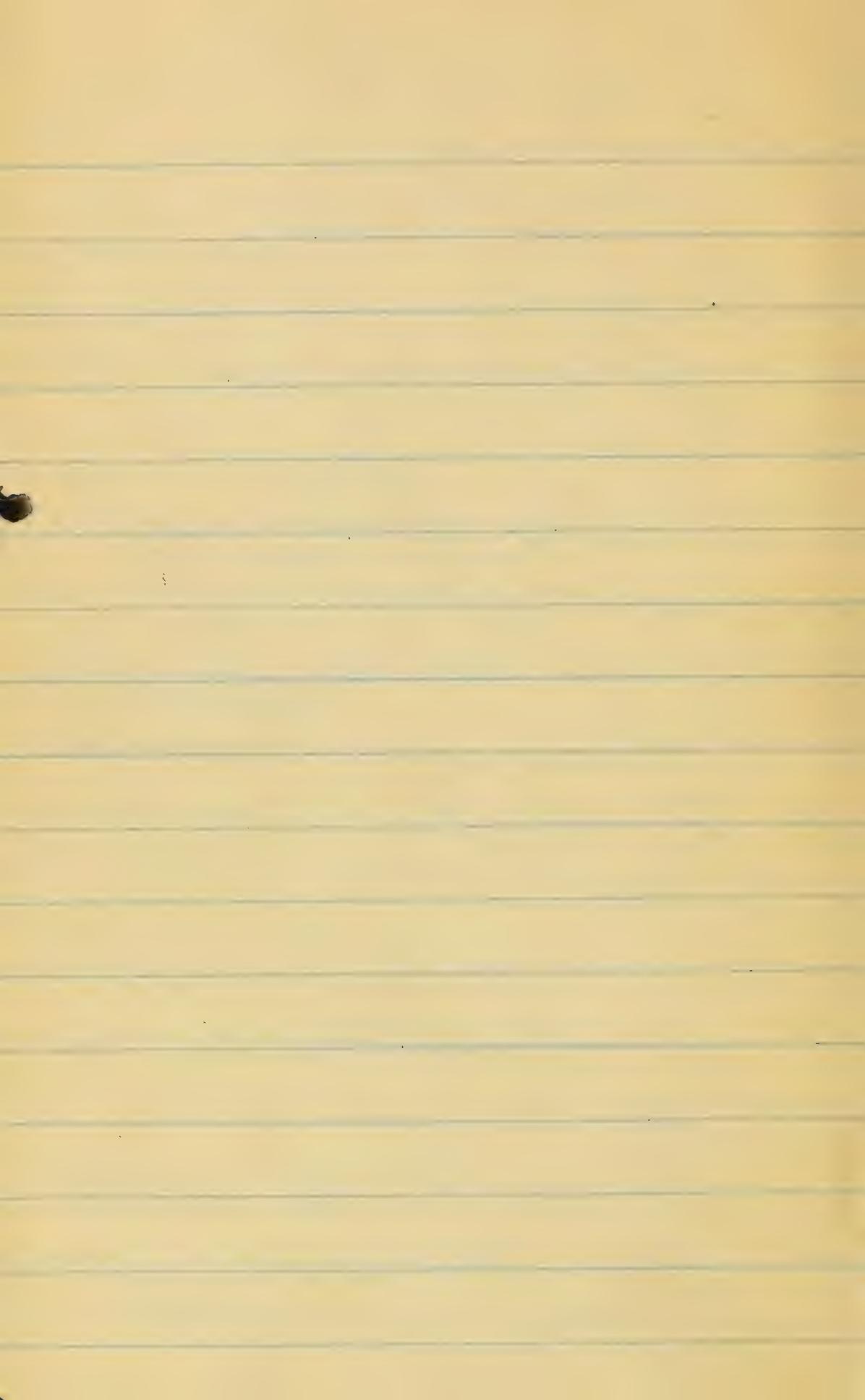
2984 *Thalictrum Fendleri* Engelm.
as 2981

2985 *Orobanche californica* C. & S. s. *prophyti*
var. *conyzoides* (Rydb.) Munz
as 2981

2986 *Pavotemnus heterodoxus* (Gray) subsp. *typicus* Keck
det. Keck 1947
Under pines - near 7 mi. S of Walker River,
about 4 mi. east of Sonora pass etc.
alt. 8,500 ft. Mono Co., July 26

2987 *Arabis drummondii*
br. white or pinkish - as 2986

2988 *Prunus Andersonii*
Shrub 3 - 5 ft. high - dry rock
slope - with *artemisia* & *identata* ca
8 mi. East side of Sonora pass Mono Co.,
alt. ca. 7,000 ft. July 27 4



2989 *Arabis platysperma*
rock crevices - as 2988 -

2990 *Paeonia Brownii* Dougl.
Moist open slope, near granite rocks,
clumps, - open pine - *P. contorta*.
4 miles east of Sonora Pass, ~~Sierra~~^{mono}
Co., alt. ca. 8,500 ft. July 27, '41

2991 *Allium austhwae* M.E. Jones
Fls. purple - open dry slope - as 2990

2992 *Tritelia ixioides* (Ait. f.) Greene
var. *analina* (Huon) Hoover
Perianth yellow with dark brown stripe - dry
grassy slope, 2 miles west of Sonora Pass
granite soil, ca. 9000 ft.
Tuolumne Co., July 27, '41

2993 *Malva suffruticosa*
among sagebrush - variable as to amount of
wood at base, slopes shingly reflective,
as 2992

2994 Fern
Rock crevices as 2992 - dry

2995

Fern

as 2994

2996

Arabis Holboellii Hornem., var. *pietraeum*.

silique pendulous - rock crevices

2997

Penstemon breviflorus Small. Scrophulariaceae

Fls. pale - nearly white with a tinge of purple - shrubby at base, 2-4 ft. high - granite soil near rocks, 6 miles west of Sonora Pass, alt. ca. 8,000 ft.

Tuolumne Co.,

July 27, '41

2998

with M. Doty

Limnanthes Douglasii R. Br.

open field, fls. white, about 3 miles west
of Coyote, Santa Clara Co., Calif. -
April 1, 1942

2999

with M. Doty

Cardamine californica (Nutt.) Greene

moist shaded bank, 5 miles northwest of Los
Gatos, Santa Clara Co., Calif. - April 1, 1942
Redwood area - Santa Cruz mts.

3000

with M. Doty

Cardamine californica (Nutt.) Greene

moist shaded bank in the Redwood area, Santa
Cruz mts., 4 miles northwest of Portola,
San Mateo Co., Calif. - April 1, 1942.

3001 *Solanum*

Shrubby, upto 1 m. high, with purple
contrasting slopes to the coniferous
hills, about 1 mile west of Durban
Sea water very ~~very~~ rapid 39° 14' 42"

3002 *Castilleja*

Stems 1 to several, ~~leaves~~ fls. bright
red, grassy slope as 3001

3003

Ericaceae

about about 1 m. high, facing
dense thickets, fls. pale pink,
steep slope as 3001

3004 *Calochortus*

Fls. cream-colored, on slender
stems, with the stamens

as 3001

3005

petals white, rest, all yellow
slightly downward pointing to the
center, with slender style
slopes as a result of the
slope

3006

dark blue-purple

Fls. pinkish purple, greenish, blue
and white

3007

Cyper

Fls. brown yellow, inflorescence compound
slightly prostrate to upright, stem
single (or branched)
in 3001

3006

Valerianella

Fls. pink purple, stem upright - in 3001

3009

marked

Stems nearly prostrate, young stems
purple - in 3001

3010

Ostreae sp.

Fls. pink, yellowish pink, small
in 3001

3011

marked

Stems mostly branched
purple - in 3001

3012

Urtica

Fls. pinkish purple, pinkish
purple

3013

Stems prostrate, fls. yellow

3014

Polygonum

Common in rocks, on Dune Hill,
1 mile west of Bay City,
Michigan, April 21, 1932

3015

Same habitat as 3014
young plant

3016

Same habitat,
open ground as 3014

3017

Fair
green, round, with down
on a stalk on top of the

3018

poor - 60 leaves,
open ground as 3017

3019

Collomia

Stems weak like people - the
leaves - as 3018

3020 Orthocarpus

on side of mountain with
boulders on bed

3021

As. 3020

3022

at or just above

on North Rim, 1 mile south
from the bridge to east
May 22, 1942

3023 Cardamine

3024 Arabis aculeolata

with Pinus ponderosa and Arctostaphylos.
Horkelia, Agoseris & Delphinium.
sepals and petals ~~purple~~ rose-purple, stems
usually numerous.

Rough & Ready Creek, 5 miles so. of Cave Junction.

Rocky, basaltic flat.

3025 *Arabis aculeolata* Greene
Stony outwash on Little Rock Creek,
2 miles southwest of O'Brien, Josephine Co.
Oregon - May 19, 1942 -
Pinus ponderosa - *Lobocedrus* - *Pseudotsuga* with
Arctostaphylos, *Quercus* & *Audelia*.

3026 *Arabis sparsiflora* Nutt.
var. *arcuata*,
base of canyon walls, a woody caudex highly
branched, stems numerous, inflorescences arcuate,
suberect spreading. near the Merced River,
~~Yosemite Valley~~
2 miles west of the entrance to Yosemite
National Park, Mariposa Co., Calif.

June 15, 1942

3027 *Rorippa subumbellata*
petals yellow, stoloniferous, stolons very slender
or thread-like. loose sand on the shore of
Lake Tahoe, Meeks Bay, Eldorado Co.,
alt. 6225' Calif.

Sept. 9, 1942

3028 *Rorippa curvilinearis* (Hook.) Berry
perennial probably - stems decumbent, petals
yellow - siliques straight to slightly
curved. - sandy beach, Lake Tahoe,
Meeks Bay. Sept. 9, 1942
= var. *orientalis* Steyer

3029 *Phacelia leucophylla* Torn., var. (?)
det. L. Constance
perennial, fls. white, loose granitic
sand along the beach, Meeks Bay, Lake
Tahoe, Eldorado Co., Calif. Sept. 9, '42
alt. 6225 ft.

3030 *Rorippa curvilinearis* var. *orientalis* Steyer
⑨ Erect, annual? siliques straight to slightly
curved upward, one plant from sunny location - others
in partial shade of *P. ponderosa* + *P. contorta*.
granitic soil, Meeks Bay, near Lake Tahoe,
Eldorado Co., Calif. - alt. 6225 ft.
Sept. 9, 1942.

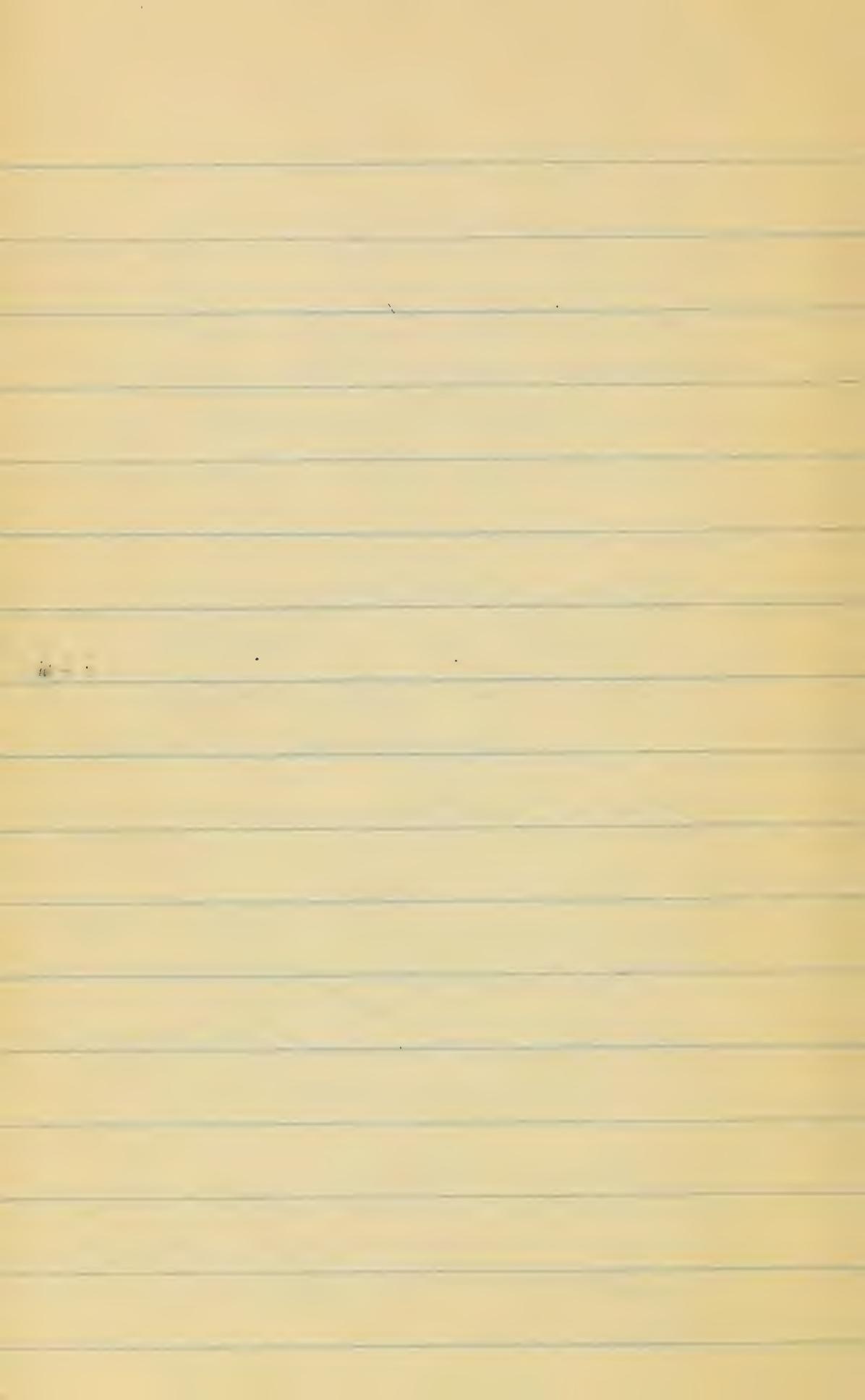
3031 *Rorippa curvilinearis* (Hook.) Berry
Decumbent, perennial, ~~fls.~~ yellow,
moist areas along the shore of
Mud Lake about 2 miles south of
Palo Alto, Santa Clara Co., Calif.
July 30, 1942

3032 *Calile maritima*
Dense clumps on hummocks of sand,
fls. pinkish purple, Miramar
Beach, about 5 miles north of
Half Moon Bay, San Mateo Co., Calif.
Nov. 4, 1942.

3033 *Cardamine integrifolia*
Com leaves mostly of a single ^{three rounded} lobes, fls. white
to pink. - open grassy hillside,
1 mile south of Carmel, Monterey Co.,
March 12, 1944.

3034 *Cardamine integrifolia*
com leaves of three lobes mostly, sometimes
single - lobes rounded - under pines near
sand dunes of Monterey Bay, 1 mile
northwest of Pacific Grove, Monterey Co.,
Calif. - March 15, 1944

3035 *Cardamine integrifolia*
Moist slope under the pines, Del Monte
Properties, 2 miles south east of Monterey,
March 12, '44



Dentaria integrifolia Nutt.

3036 *Cardamine* var. *californica* (Nutt.) Tepo,
fern leaves pinnate or bipinnate, moist
hillside under the oaks, 8 miles
southeast of Monterey, Monterey Co., Calif.
March 12, 1944

3037 *Lepidium nitidum* Nutt. !

Stigmas purplish from above, greenish below,
annual, basal leaves pinnatifid - usually
branching from base to apex. -

Open undisturbed lot - with *Baccharis*,
Orthocarpus, *Plagiobothrys* etc.

Salinas, California - April 20, 1944

3038 *Nemophila*

mint ~~dry~~ hillside, oak - *Eriodictyon*

Chualar Canyon, Gabilan Range, ca.

10 miles east of Salinas. Monterey Co.,

May 7, 1944

3039 *Collinsia*

Dry hillside - as 3038

3040 *Arabis glabra*
shade of oaks, steep hillside - Chualar
Canyon, Gabilan Range, ca. 10 miles east
of Salinas, Monterey Co., May 7, 1944

3041 *Cakile maritima* Scop.
Marina Beach, Monterey Co.,
Sept. 3, 1944.

3042 *Lepidium nitidum* Nutt.
dry hillside, western slopes of
Mount Diablo, Contra Costa Co., Calif.
Planted 25, 1946

3043 *Ullucus tuberosus* (L.)

the purple, bell-shaped - open
a parturient slope - as 3042

3044 *Lepidium nitidum* Nutt.
as 3042

3045 *Ullucus tuberosus* (L.)

dry serpentine slope - as 3042

3046

Streptanthus glaucus rock.
Streptanthus glaucus

Fls. creamy yellow - blue usually
when occasionally purple. Upper
leaves white, lower of a
other purple, petioles long from
base to top.

Upper slopes, western slope
of Mount Shasta, March 25, 1946.

Butte Creek Canyon

3047

Lepidium apetalum H. & A

Stems pale purple - pale
rock sides - 2 miles west of West
Foothill Creek - Mt. Hamilton Range,
March 27, 1946 - Santa Clara

Praxelina divaricata (Benth.) Greene

Stems pale purple, a few
6.8 miles east of San Joaquin Creek on
road to San Antonio Canyon, March 27,
1946 -

Woolly Ixia tricolor Benth.

Leaves pale - fls. almost deep purple
and as 3048

3048

1052 *Thymus curvipes* Hook.

Over 1000' 6"

Opposite leaves, 6-7 mm. each
an elliptical shape, acute at the apex
Anatolian Taurus - Mt. Kizil Dagi

Thymus pulcherrimus (Hook.) Griseb.

1053 *Coccameria Dunedinii* (Lindl.) Nutt.

Fls. white, pale green from
3 mi. west of Spurfoot Castle
Mt. Hamilton Range - South of the
second 27. 45

are ~~no pedicels~~ (C. A. Meyer) Roll.
var. *elongata* Rollins

(3)

Street-weed Churchill Co.

3-5 ft. Stems up to 1 m. tall
open fields (3 miles east)
Tide

(3)

3055 ~~Stems~~ (purple) (purple) Britt. (2)

—, *Caulanthus pilosus* Wats.

1-3 ft high, open fields - at 300
several deep purple; basal leaves
long petioled

(5)

3057 *Castilleja pallida* Nutt.

W. side of gravelly ravine

alt. 45 - 1000 ft.

Lander Co.

3058 *Arabis holboellii* Hornem. var. *retrofracta* (Brid.) Rydb.

3059

3060 *Arabis sp. fl.*, var. *subcordata*

Caulanthus crassicaulis (Torr.) Wats. (5)

Fls. 1-1.5 in.

Gravelly bank, 1000 ft. elev.

3061 *Ligularia lyallii* pungens (Torr.) Tepson

Shrub, 1-2 m. tall, 1000 ft. elev.

3062 *Actaea* *hylophila* A. Nels. (3)

Shrub

3063 *Ligularia* (3)

3064 *Phlox* *caespitosa* Nutt.

(5)

nelson Roll

7

Colville Co

7200

oblongifolia (Nutt.) Don. ⑤
var. *nevadensis* (T. nels.) V. Wuer

lignifera a. nels. (?)

30

alt. 7,600 ft.

Nutt.

if possible south of Lake City, Wash.
to Rainier Park, Wash. alt. 7,000 ft.

22 May

3

Nutt.

3069

3070

Lycopodium prostratum A. Nels.Site: a ~~deciduous~~ ~~larch~~ knoll. 7

Collected: June 25, 1946 - 1946

Collected: June 25, 1946 - June 17, 1946

3071

Site: a ~~deciduous~~ ~~larch~~ knoll. 7

Collected: June 25, 1946 - June 17, 1946

3072

Site: a ~~deciduous~~ ~~larch~~ knoll. 7

Collected: June 25, 1946 - June 17, 1946

3073

Lycopodium prostratum A. Nels.

3074

Lycopodium decumbens (Nutt.) a. grey? (4)Site: a ~~deciduous~~ ~~larch~~ knoll, open forest.

Collected: June 25, 1946 - Woodruff, Mich Co., Mich

Collected: June 25, 1946 - State Park

Collected: June 25, 1946 - State Park

Roll.

(6)

glaucomacul. desert. (a. Nels.) Benth. (4)

~~West~~ Hawk.

(5)

→ (Pursh) Britt.

Roll.

(8)

L. Wm.

(3)

alpina (Nutt.) wats.

in Bray →

3080 *Alcyone* australis (Pap.) Roll.

Stayed with Mr. and Mrs. T. S.,
a brother and sister, in
~~Montgomery~~, Wales. I went up to

18. 10. 1908

3092 congesta Hook.

5

var. Burleyana (A. Nels.) Connl. & Roll.
Burleyana

3022 *flava* (A. Nels.) Payson 2

Rollinsii Tolmst.

6



not a they



36 72



3085 *Senecio linifolius* Nutt.

as 3084

Robins (3)

Upper side of a 3 m. tall

head of Buck Canyon - Owyhee Mts.
June 11, 1911. alt. 6500 ft.
Mentholat

Parthenium alpinum, var. *longistylum*

as 3086

pasture along

light-colored knoll, grass

grass yellow, flowers

July 4, 1911. alt. 5000 ft.

2087 *Capitella glava* (A. Nels.) Payson? (2)

Fls. yellow, lvs. numerous

along fence line

2 miles north of head of Buck
Canyon - Buck Canyon - Owyhee

3092 *Calceolaria glandulosa* Gray
var. *decipiens* Gray. (4)

Flowers numerous from base in old

3093

australis (Payson) Rollins (3)

united by a thin, light-colored, sandy soil, 2000-3000 ft. elevation, 5

on the south wall of a small canyon

about 10 miles west of Boulders

Barrel Spring, Colorado, 1000 ft.

(purple) Britt.

Collected by (James) Roll

Barrel Spring, 11 miles west of Boulders,

Collected by (James) Roll

3093

Portulaca ligulata (Cass.) Barneby

Light-colored, very shale, porous

soil, near Indian Creek, on the

slopes of the canyon wall, 4 miles

southwest of Durango, Colorado

Alt. 6000 ft.

June 21, 1916

Hedysarum ^{var.} *utahense* (Rydb.) Roll. *borale* Nutt.

(4)

alyssoides L.

٦٧

3

卷之三

Amherst - 1000 ft. above sea Aug. 1, 1849

Spec. 4254 from southwest of Mayimi,
Peru.

— 3 —

Pro *agouti*

acc. 42338 - 1st type - Sandina - T.

3085

Practise

on 9/19/98 - village park, Bantay, Ilo-

307

Natural history, especially mammals

on August 2nd and 3rd 1900 at the
Foothills, N.W.T.

3100 posterior angulation
see 42124 - 20 miles west
of Colonia gypsum

3101 middle limb
see 42120 - ca. 20 miles west
of Colonia gypsum

3102 Posterior
see 42172 West of Chaparral, Colonia
gypsum - limb

3103 Posterior
see 42172 - DE Ranch, Colonia
gypsum, Colombia

3104 Posterior
see 42152 - South end of Colombia
gypsum

3105 Posterior
see 42442 - Colombia, Colombia
gypsum

3106

Pinus

St. 1000' Sallie Creek, 100 yds. from
main road white (but from one branch
to tree pinkish) p. pinkish

3107

Hybrid (Ligustrina) ca. 63 dm.

Pinus ♀ x P. virginiana ♂

3108

Hybrid (Ligustrina) ca. 63 dm.

P. virginiana ♀ x P. virginiana ♂

3109

Hybrid (Ligustrina) ca. 93 dm.

P. virginiana ♀ x P. virginiana ♂

3110

Natural hybrid (in) (in) (in)

P. virginiana x P. virginiana - acc. 4260

20 mi. east of Paragould, AR

3111

Natural hybrid (in) (in) (in)

acc. 4261 -

way 1, 46

3112

Natural hybrid (in) (in) (in)

P. virginiana - 1000'

Miss. River - p. pinkish

Nov. 17, 1950

3113 Natural hybrid

P. angustif. (Mak.) & p. incisa

Natural hybrid

P. angustif. & p. incisa, acc. 42254

High plateau - high shr. - P. angustif.

3115

P. angustif.

35 dm.

Interior of Sapporo, Japan

Nov. 1944

acc. 42255

3116

Natural hybrid

acc. 42261 - found near est.

of Shokan River

50 m. - Nov. 1944

3117

P. angustif.

acc. 42260 - type - 32 Ranch

52 miles west of Sapporo

Scrubby ground

3118

p. Nat. hybrid - not from previous

32 Ranch - acc. 42262

Scrubby ground

3119 P. vegetatum
in field. Plots of Platostoma & Platostoma & Platostoma
and Platostoma & Platostoma & Platostoma

3120 P. vegetatum (of Platostoma & Platostoma & Platostoma)
in Platostoma - ca 52 m to top
- no above ground Platostoma & Platostoma

3121 Not hybrid Platostoma & Platostoma
acc 42233 - in Platostoma & Platostoma

3122 Not hybrid, Platostoma & Platostoma
acc 42234 - leaf with Platostoma & Platostoma

3123 P. vegetatum - bright purple
acc 42235 - Platostoma & Platostoma
- leaf with Platostoma & Platostoma

3124 P. vegetatum - bright purple
acc 42236 - Platostoma & Platostoma
- leaf with Platostoma & Platostoma

111 4 3

3125

~~south of Sodhouse~~

Towill Co.

3126

P. argentea - ~~straight~~ ^{straight} grayish
 acc. 42356 - west of Tewksbury,
Brewster Co., July 1944

3127

P. argentea (rough-leafed)
 acc. 42366 - an outcrop
of T. S. Shrub, Pearl Co.

3128

P. argentea (rough-leafed)
 acc. 42248 - A. D. West Ranch
northwest of Alpine, Brewster Co.

3129

Natural hybrid (on the roadside)
 acc. 42418 2 1/2 miles south of
Westerly, Brewster Co.

3130

P. argentea - straight grayish
 acc. 422-23 ca 10 m. west of
Cataloochee, Zion,
Aug. 1, 44 Salines

3131 *P. argentea* (int type with
the type specimen)
acc 4274 - Hill with 3 Shrub,
Presidio Co., - Sabine Aug. 1, 1947

3132 *P. argentea* undulated
acc. 42218 - Forest Canyon,
northeastern Presidio Co.

3133 *P. Tomentosum* DC., var. typic
16-18 feet tall, above Tom Shrub, near Mulege,
Oaxaca, Mex.

3134 *P. Tomentosum*, var. stramineum
16-18 feet with 3 colors - red to
purple - Sonora, Mex.

3135 *P. confertum* Gray, var. lycoides
sub erect in Val Verde Co., Texas
grown at Stanford - coll. July 1945
 $2n = 68$ ch.

3136 *P. confertum* var. lycoides:
same
 $2n = 152 \pm$ ch.

3137 ~~artificial~~ hybrid - *P. argentea* (22 dm)
X *P. micrantha* - 2 m & over 100 dm.
1214 - 24

3138 ~~artificial~~ hybrid - same as 3137 except
hybrid much smaller - c. 72 dm.
P. argentea - 35 dm.
4215 ~~seed~~ - 1944

3140 ~~artificial~~ hybrid -
1286-8 - F. normal

3141 ~~seed~~ natural hybrid - high shrub about
1291 -

3142 rough about seed - high shrub
1290

3143 normal hybrid - 34-72 cm.
1287

4144 normal hybrid - 772 dm
1248

4145 normal light

12 50

4146 normal light

12 28 - 9

4147 normal light

12 29

4148 normal light

12 11 - 3

4149 normal light

12 25

4150 normal light

12 39

4151 normal light

12 12 - 13 + 22 - 23 - normal

4152 normal light

12 41

4153 ~~2nd~~ ~~light~~ - on north side
4158 -

4154 ~~2nd~~ ~~light~~ - about (tough)
4160 - ~~light~~

4155 ~~2nd~~ ~~light~~ -

4156 ~~2nd~~ ~~light~~
var 416

4157 ~~2nd~~ ~~light~~ - about
416 - 1213 - 16

4158 ~~2nd~~ ~~light~~ - north
416 - 1213 - 2

4159 *Streptanthus californicus* (Wst.) ^{inflatus}
ca. 30 miles north of Coalinga,
Fresno Co., Calif.
March 15, 1947 (N = 10 (?) det. Mary River 1947)

4160 *Streptanthus californicus* (Wst.) ^{inflatus}
11 miles east of Mohave, Kern
Calif. (N = 10 det. Mary River 1947)
March 15, 1947

4161 ~~Orobanchaceae~~ ^{No. 1} *Orobanchaceae*
gravelly outwash, 2 miles north of
Needles, San Bernardino Co., Calif.
March 16th. 1947

4162 ~~High mountain area T. 9 S.~~
Host of Orobanche above
shrub ca. 2 ft. high.
as. no 4161

~~Streptanthus longirostris (and)~~

4163

Cardanthus

Sand dunes near Colorado River, 1 mile
north of Topock, ^{Mohave Co.} Arizona

March 16, '47

4164

Sisymbraea ~~spicata~~ Nutt.

$n=10$
as 4163

4165

Arabis perennans S. Wats.

Caliche formation at edge of Juniper
belt, ca. 8 miles east of Goldroad,
^{Mohave Co.,} Arizona - March 16, '47

4166

Streptanthus cordatus Nutt.

Foliage bluish, petal-tips purple, among
junipers, $\frac{1}{2}$ mile northwest of Peach
Springs, ^{Mohave Co.,} Arizona
March 16, '47

4167

Lesquerella ~~angustata~~ S. Wats.

as no. 4166

$n=5$ - det. Mary River 1947

$n=12$ - det.
Mary River
1947

4168

5
N. =
det. March 1947
River

Siltnyaea ~~var. *lutea*~~

Sandy soil, roadside - 2 miles northeast
of Sacaton, Pinal Co., Arizona
March 18, 1947

4169

Cardamine

Wavy hillside,
Pacheco Pass, 28 miles east of
Gilroy, Santa Clara Co., Calif.

March 21, 1947

4170

Rorippa

Wavy in the
Rep. old garden, Carnegie
Botanical, New Mexico, Taos Co.,
July 8, 1947

4171

Stephanthus *Tortuosus* Kell.

var. *orbicularis* (Brem) Hall

Sepals purplish; petals brownish,
veined, with light tan margins.
near large granite boulders, near
Yosemite Creek, Yosemite National
Park, Mariposa Co., alt. 7,200 ft.

July 9, 1947

4172 ~~as above~~

Slope with ~~scrub~~ - as no. 4171

4173 ~~as above~~

(~~Platysaceal~~?)

Rock patches -
bare soil, dry rocky -
base of slope, 14 miles above Cawein
Harvey Region Natural
Area, ~~fall~~ ~~area~~, Mo. in
Calif. - alt. 10,200 ft. July 9, 1942

4174 ~~as above~~

Rock crevices, near Salisbury books.
Lassen National Forest, more to Calif.,
alt. 10,200 July 10, 1942

4175 ~~as above~~ ~~as above~~

var. Howellii (Ant.) Teph.

Talus slopes - as 4174

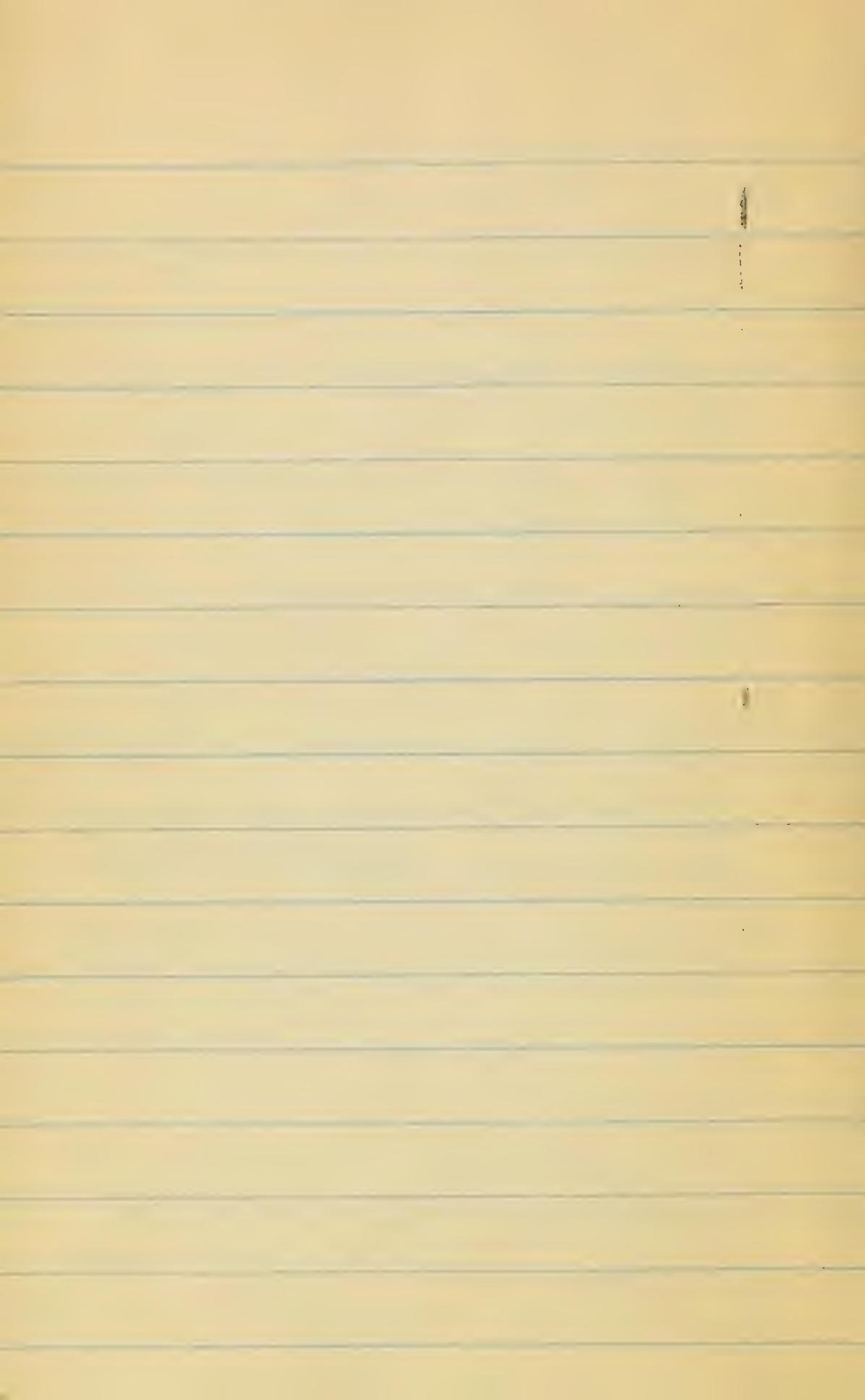
4176 *Strophanthus fortunae* Hall
var. *oblongatus*
as 4175

4177 *Arabis Holboellii* Hornem., var. *pendulocarpa*
(see 4175)
dry meadow, just below Middlebag
Lake - as 4175

4178 *Draba Borealis* S. Wats.
Fls. white - as 4177

4179 *Desmodium californicum* (Gray) Tolmie
dry bank, near base of Colton Creek
Honey Mountain Hall ^{natural} ~~natural~~ area,
alt. 12,000 ft. - Mono Co., Calif.
July 10, '47

4180 *Arabis*
dry slope, rock outcrops
as 4181



4181 *Arabis platypetra*

as 4180

4182 *Arabis divaricarpa* A. Nels., var. *interposita*
x *A. platypetra* x *A. drummondii* (?)

alt. 10,000 ft. - Dry slopes
in the dry slopes - as 4181

4183 *Arabis divaricarpa* A. Nels.

var. *aristata*

various grades, as cabin, camp
Trampsite Station, Henry Mtns.,
Hall Natural area, Mono Co., Calif.

alt. 10,200 ft. - July 10, '47

4184 *Arabis platypetra* Gray

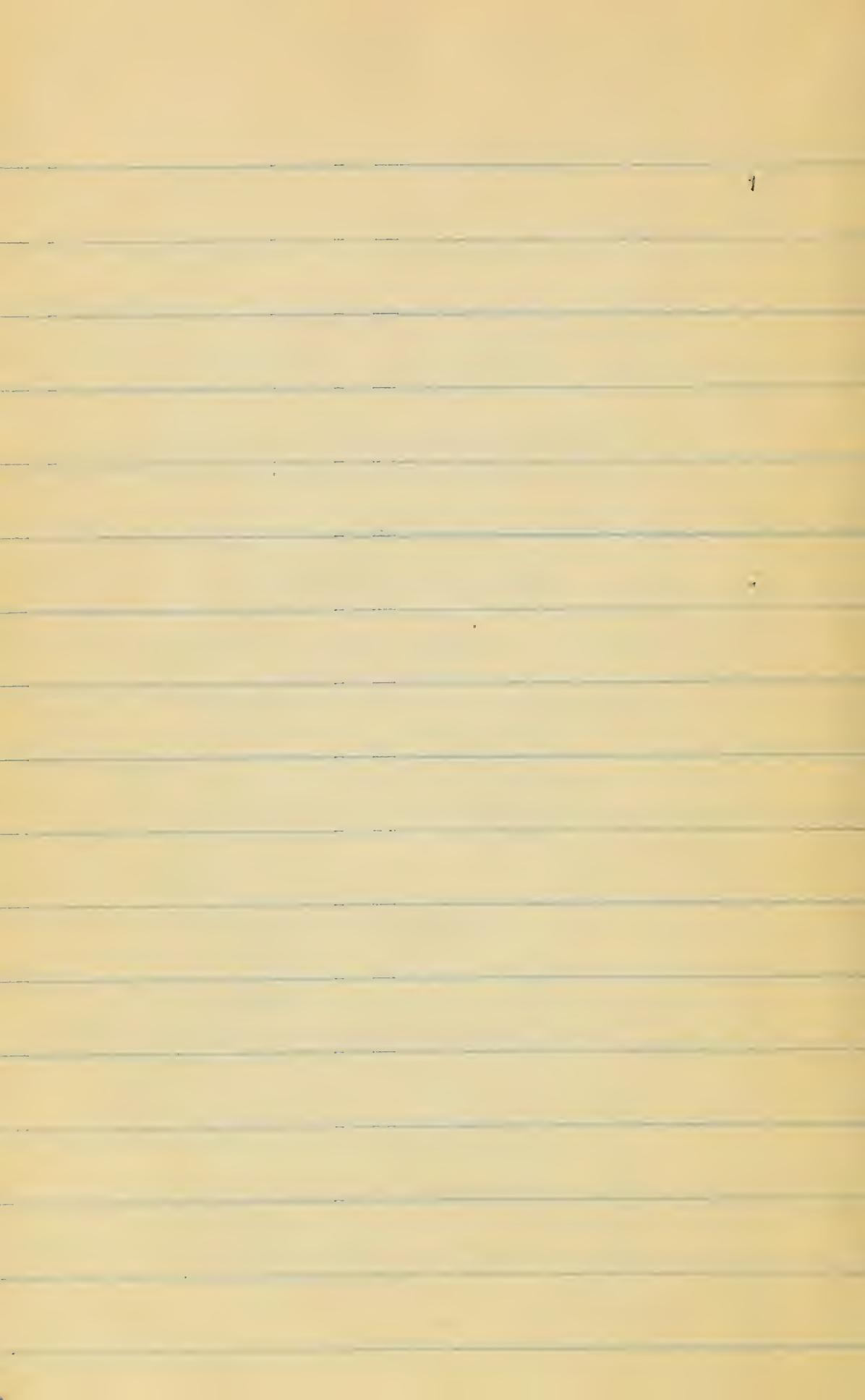
var. *brevirostra* (Wats.) Gray

petals pink, slope of Middle Ridge
above Slate Creek, 11,000 ft. alt.

alt. 10,200 ft. - July 10, '47

4185 *Arabis stenoloba* Bedeb.

as 4184 var. *manu* (Schulz) C. W. Hitchc.



4186 *Arabis ligulata* Wats., var. *virginica*
near mouth rock, steep slope,
near mouth of Middle River, 1 mi
S.E. of Upper Treble Lake - alt.
13, 300 ft. - H. M. H. Nat. etc.,
July 10th

4187 *Erigeron capillaris* (L.) Greene
var. *praeceps* (Wats.) Rose, ind.
Rocky bank near upper Treble Lake
as 4186 - alt. 10, 330 ft.

Ⓐ - a. *benmori*

Ⓑ *Arabis* x *a. benmori*
superb magenta & hairy leaves
Rocky point at as the July upper
Treble Lake alt. 10, 300 ft.

4188 *Xarabis benmori*

Same place as 4188 & may
be same thing

4190 *Arabis holboellii*, var. *nubigena* (Mach. & Fenzl)
Rollins
Rock crevices, ~~on limestone~~ up
Table Lake and Spur Lake Valleys,
Keweenaw Mts.
Alt. 10,000 ft. July 16th

4191 *Arabis Holboellii* Hornem. var. *pendulocarpa*.
dry rocky bank, south side of
Spur Lake - no 4190
Alt. 10,000 ft

4192 *Arabis Holboellii* Hornem., var. *pendulocarpa*
~~nigra~~
dry rocky site - no 4191

4193 *Arabis myensis* Rollins
(synonym)

Rock crevices - no 4190 Spur Lake
and Fantail Valley, H. M. Hall Creek.
Alt. 10,000 ft. July 16th

4194 *Adonis amurensis* Wats.
Wet spring, near highway,
between Canyon, Moreland, Calif.
alt. 2,000 ft. July 11, 1947

4195 *Engelmannia pectinata* Edwards
dry sandy slope, open slope and
in pine area, ca. 3 miles east
of Ba Honda, Santa Cruz
Co., Calif. May 11, 1947

4196 - *Lentaria integrifolia* Nutt.
var. *californica* (Nutt.) Tepo.
moist bank & hillside - Redwood Ass., -
ca. 2 miles east of Ba Honda, S. M. Co.
May 7, 1942

4197 *Besquerella Fendleri* (Gray) Wats.
open limestone knoll, about 20 miles south
of Del Rio, Kinney Co., Texas -
Feb. 3, 1943

4198 *Crucifer* - weed
as 4197 - roadside.

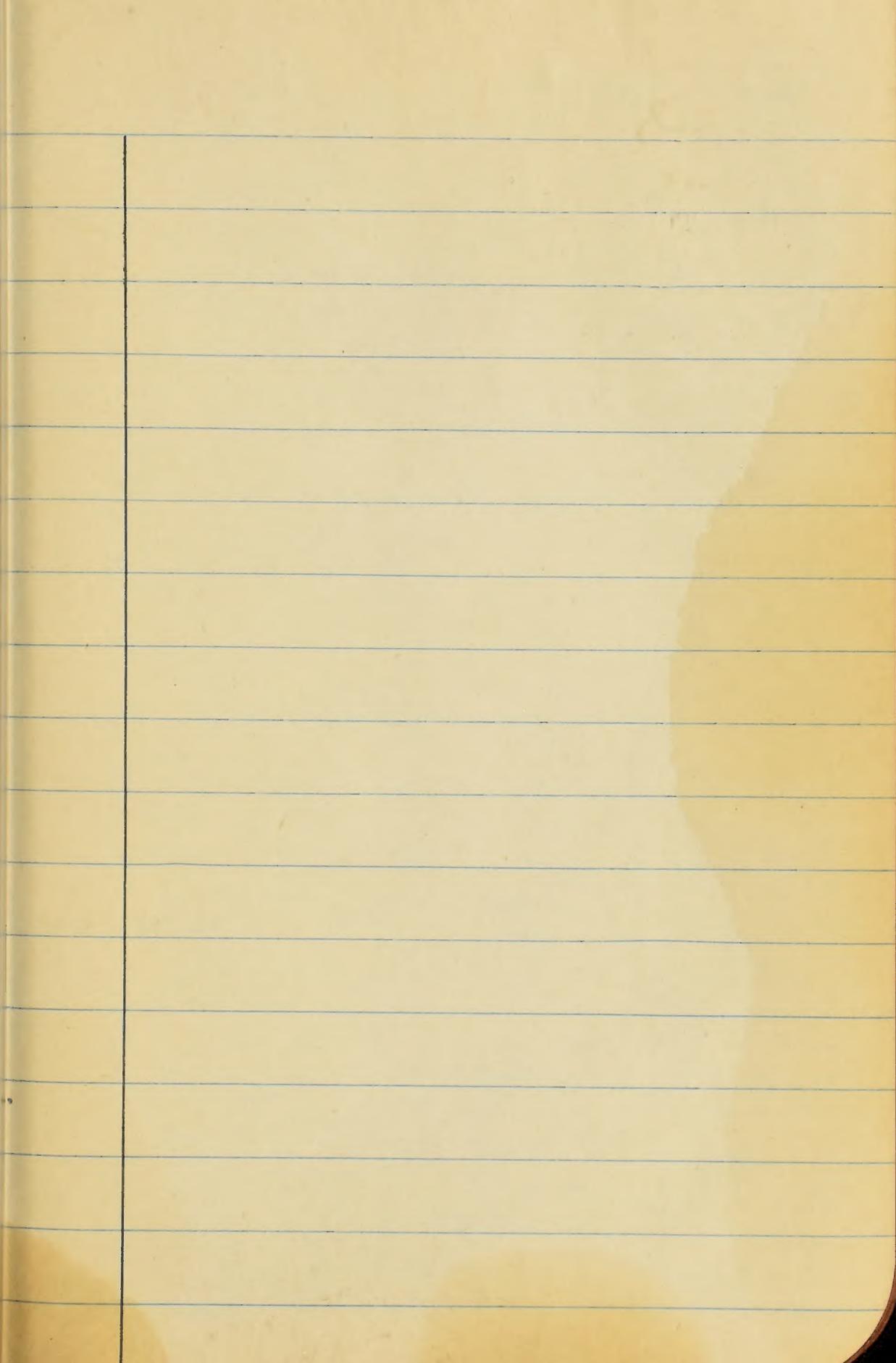
4199 *Nerisyrenia camporum* (Gray) Greene
Fls. whitish, south of Barroso, Zapata
Co. - Texas - Feb. 7, 1943

4200 *Besquerella Fendleri* (Gray) Wats.
perennial, widely branching, open limestone
slope, ca. 16 miles north of Eagle Pass,
Maverick Co., Texas. - Feb. 3, 1943

Red Mountain - Malibu Co.

Arabis molesta

Scoll Riva 2 ^{ridge} E.
Klauth Riva



First Safe Flight

Speedometer Chg.
Palo alto - May 10, 42
63204

Palo alto May 23rd -
Personal

May 10 - Gasoline 0.88

Dinner 0.77

Cabin - 1.00

post card-candy - 10

May 11th Breakfast - 40

Lunch .67

Cabin 1.25

May 12th

Breakfast 0.87

Lunch 0.10

May 13th

Lunch 0.21

Bread - .10

Dinner - .31

Cabin 1.00

May 14th

Breakfast .47

Lunch .46

String .05

Dinner .75

Cabin 1.25

May 15th

Breakfast 0.40

Candy 0.05

Dinner 0.75

Cabin 1.00

May 16th

Breakfast .0.25

Lunch 0.50

Dinner 0.80

Cabin 1.00

Willette
Spare 167 yd 482

72500 V 20

O: 105459 IZ

96420 IZ

96687 IZ

Car

Rep. Bendix - 0.75

Breare - 1.25

Gas. May 17 - 1.38

Bridge toll - .25

" " - .25

" " .50

" " - .35

Ferry - .80

Oil May 20 - 0.60

" May 23 - 0.60

Rep. timer - 2.00

May 11th Food - 1.09

May 12 " 0.35

May 13 0.30

May 14 Breakfast 0.30

Lunch 0.65

Dinner 0.90

May 20

Breakfast 0.25

Lunch 0.50

Dinner 0.70

May 15

Breakfast 0.30

Lunch 0.65

Dinner 0.90

May 16

Breakfast - 0.25

Dinner 0.55

Cabin 0.75

May 21

Breakfast 0.30

Lunch 0.62

Dinner 0.77

May 17

Breakfast 0.40

Dinner 0.75

Cabin 1.40

May 22nd

Breakfast - 0.36

Lunch - 0.51

Dinner - 0.82

Cabin - 1.50

卷之三

